

ABSTRACT:

5 A subcompact modular ionic breath cleaner consists of a subcompact breath cleaner ionization module
which has ionization element and voltage multiplier PCBA enclosed in a very small housing for user to hang it
around the neck, and a waist belt mounting power supply module. The ionization module is as small as a match
box and receives power from a waist belt carrying power supply module through a connection cable. The
minimized weight and size will make users to feel comfortable to wear in almost any occasion. The waist belt
carrying concept shifts the heavier components to the belt with enough battery power for users on long trips.
10 This invention offsets all the heavy load of transformer and batteries from an integrated single unit air cleaner
into a supper light weight ionization module with a reasonable power supply duration.